200300216

No.

THE UNITED SEATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME;

John Wodger & Sons Company

MICCENS, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A RUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR CONTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE PURPOSE, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT BY THE PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

VINCA

'Heatwave Red'

In Jestimony Marrot, I have hereunto set my hand and caused the seal of the Hunt Haristy Archertion Office to be affixed at the City of Washington, D.C. this fourteenth day of February, in the year two thousand and six.

Attost:

Jem's

Commissioner

Plant Variety Protection Office Agricultural Marketing Service Secretary of Agriculture

REPRODUCE L@CALLY. Include form number and d	ate on all n	eproductions				Form Approved - OMB No. 0581-0055
AGRICULTURAL I	MARKETIN	G SERVICE		ne following statements are made in the Paperwork Reduction Act (PRA) o		with the Privacy Act of 1974 (5 U.S.C. 552a) and
APPLICATION FOR PLANT VA	RIETY PRO	TECTION CERTIFICATE				lant variety protection certificate is to be issued until certificate is issued (7 U.S.C. 2426).
1. NAME OF OWNER			2.	TEMPORARY DESIGNATION OR EXPERIMENTAL NAME	3. VAF	RIETY NAME
JOHN BODGER & SONS C	DORESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country) 1800 TYLER AVENUE SOUTH EL MONTE, CA 91733 USA THE OWNER NAMED IS NOT A "PERSON", GIVE FORM OF RGANIZATION (corporation, partnership, association, etc.) CORPORATION IAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION (CALIFORN) IAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION (CALIFORN) IAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION (CALIFORN) IAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION (CALIFORN) IAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION (CALIFORN) IAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION (CALIFORN) IAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION (CALIFORN) IAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION (CALIFORN) IAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION (CALIFORN) IAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION (CALIFORN) IAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION (CALIFORN) IAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION (CALIFORN) IAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION (CALIFORN) IAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION (CALIFORN) IAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION (CALIFORN) IAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION (CALIFORN) IAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION (CALIFORN) IAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION (CALIFORN) IAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION (CALIFORN) IAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION (CALIFORN) IAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION (CALIFORN) IAME AND ADDR			M7036		Heatwave Red
4. ADDRESS (Street and No., or R.F.D. No., City,	U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION OFFICE APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE (Instructions and information collection burden statement on reverse) ME OF OWNER JOHN BODGER & SONS COMPANY DEPARTMENT OF AVENUE SOUTH EL MONTE, CA 91733 USA THE OWNER NAMED IS NOT A "PERSON", GIVE FORM OF REALIZATION (corporation, partnership, association, etc.) SORPORATION AME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION (CORPORATION) AME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION (COMPANY) BODGER JOHN BODGER JOHN BODGER & SONS COMPANY BOUTH EL MONTE, CA 91733 STATE OF INCOLOR CALIBORN AME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION CORPORATION AME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION CORPORATION AME AND ADDRESS OF OWNER REPRESENTATIVE (S) TO SERVE IN THIS APPLICATION CORPORATION AME AND ADDRESS OF OWNER REPRESENTATIVE (S) TO SERVE IN THIS APPLICATION CORPORATION AME AND ADDRESS OF OWNER REPRESENTATIVE (S) TO SERVE IN THIS APPLICATION CALIBORN AME AND ADDRESS OF OWNER REPRESENTATIVE (S) TO SERVE IN THIS APPLICATION CALIBORN APOCYNACEAE 11. IS THE VARIETY A FIRST GENER APOCYNACEAE 17. IS THE VARIETY A FIRST GENER APOCYNACEAE 17. IS THE VARIETY A FIRST GENER APOCYNACEAE 18. IF INCORPORATE STATE OF INCO CALIBORN A POCYNACEAE 19. IS THE VARIETY A FIRST GENER APOCYNACEAE 19. IS THE VARIETY OF THE OWNER OWNERS IN THE PROPORTION OF THE APPROPRIATE OF THE OWNER OWNERS IN THE PROPORTION OF THE APPROPRIATE OF THE OWNER OWNERS IN THE PROPORTION OF THE PROPOR					FOR OFFICIAL USE ONLY
1800 TYLER AVENUE			16	26-442-6161		NUMBER
	91733	USA		FAX (include area code)		100300216
			. 1.7	26-442-4100	FILING	DATE
ORGANIZATION (corporation, partnership, asso				DATE OF INCORPORATION	A	fpril 16,2003
CORPORATION		CALIEORNIA		ebruary 7, 1912		
10. NAME AND ADDRESS OF OWNER REPRESE	ENTATIVE(S) TO SERVE IN THIS APPLICATION. (FI	irst persoi	n listed will receive all papers)	F E E	FILING AND EXAMINATION FEES:
KIM BODGER					S	
	OMPAN	Y			R E C	DATE 4//6/03 CERTIFICATION FEE:
•	91733				F	: 682.00 + 38.00
booth his horring on	J				V E	DATE 10/18/05 + 10/24/05
11. TELEPHONE (Include area code)	12. FAX	(Include area code)		13. E-MAIL	D	
,		•	•		er.co	m
14. CROP KIND (Common Name)			~	kbodger@bodge 18. DOES THE VARIETY CONTA	AIN ANY T	RANSGENES? (OPTIONAL)
VINCA	APO	CYNACEAE		☐ YES XXX NO		
14. CROP KIND (Common Name) VINCA APOCYNACEAE 15. GENUS AND SPECIES NAME OF CROP 16. FAMILY NAME (Botanical) APOCYNACEAE 17. IS THE VARIETY A FIRST GENERAT			BRID?	IF SO, PLEASE GIVE THE A APPROVED PETITION TO	SSIGNED DEREGUL	USDA-APHIS REFERENCE NUMBER FOR THE ATE THE GENETICALLY MODIFIED PLANT FOR
5. GENUS AND SPECIES NAME OF CROP CATHARANTHUS ROSEUS 17. IS THE VARIETY A FIRST GENERATI YES XXXIII 9. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED				COMMERICALIZATION		
	ACHMENT	SUBMITTED		 DOES THE OWNER SPECIF OF CERTIFIED SEED? (See 	Y THAT S e Section E	EED OF THIS VARIETY BE SOLD AS A CLASS 3(a) of the Plant Variety Protection Act)
a. XXX Exhibit A. Origin and Breeding History	of the Varie	ty				nd 22 below) XXXIO (If "no", go to item 23)
b. XXX Exhibit B. Statement of Distinctness				21. DOES THE OWNER SPECIF NUMBER OF CLASSES?	Y THAT S	EED OF THIS VARIETY BE LIMITED AS TO
c. XX Exhibit C. Objective Description of Var	iety			ON XXX Say		
d. Exhibit D. Additional Description of the	Variety (O)	otional)				NDATION REGISTERED CERTIFIED
		*		NUMBER OF GENERATION		EED OF THIS VARIETY BE EINITED AS TO
f. Voucher Sample (2,500 viable untreate verification that tissue culture will be de repository)	ed seeds or, eposited an	for tuber propagated varieties, d maintained in an approved public		YES XXX NO	RFR 1 2 3	etc. FOR FACH CLASS.
g. Filing and Examination Fee (\$3,652), m	nade payabl	e to "Treasurer of the United				
· · · · · · · · · · · · · · · · · · ·				(If additional explanation is ne	*	D CERTIFIED lease use the space indicated on the reverse.) IT OF THE VARIETY PROTECTED BY
FROM THIS VARIETY BEEN SOLD, DISPOSED OTHER COUNTRIES?	D OF, TRAN	ISFERRED, OR USED IN THE U.S. OR				PLANT BREEDER'S RIGHT OR PATENT)?
XXX _{YES} \square No See dat	a fro	om original submis	sion	YES XXX NO		
				IF YES, PLEASE GIVE COUN REFERENCE NUMBER. (Plea		E OF FILING OR ISSUANCE AND ASSIGNED ace indicated on reverse.)
25. The owners declare that a viable sample of bas a tuber propagated variety a tissue culture will be					ccordance	with such regulations as may be applicable, or for
The undersigned owner(s) is(are) the owner of t entitled to protection under the provisions of Sec	this sexually ction 42 of t	reproduced or tuber propagated plant var he Plant Variety Protection Act.	riety, and	believe(s) that the variety is new, dis	stinct, unifo	orm, and stable as required in Section 42, and is
Owner(s) is (are) informed that false representa	tion/berein	an jeopardize protection and result in pen	nalties.			
SIGNATURE OF OVINGE		<u>'</u> ~	SIGNA	TURE OF OWNER		
NAME (Please print or type)			NAME	Please print or type)		
WALTER KENNETH BODGE	ST. SI					
CAPACITY OR TITLE	-21 OIX 6	DATE	CAPAC	ITY OR TITLE	DATE	
VICE PRESIDENT		11/29/04				

original date 4/10/03

GENERAL: To be effectively filed with the Plant Variety Protection Office (PVPO), ALL of the following items must be received in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E; (3) for a seed reproduced variety at least 2,500 viable untreated seeds, for a hybrid variety at least 2,500 untreated seeds of each line necessary to reproduce the variety, or for tuber reproduced varieties verification that a viable (in the sense that it will reproduce an entire plant) tissue culture will be deposited and maintained in an approved public repository; (4) check drawn on a U.S. bank for \$3,652 (\$432 filing fee and \$3,220 examination fee), payable to "Treasurer of the United States" (See Section 97.6 of the Regulations and Rules of Practice.) Partial applications will be held in the PVPO for not more than 90 days, then returned to the applicant as unfiled. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 401, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. Retain one copy for your files. All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. DO NOT use masking materials to make corrections. If a certificate is allowed, you will be requested to send a check payable to "Treasurer of the United States" in the amount of \$432 for issuance of the certificates. Certificates will be issued to owner, not licensee or agent.

Plant Variety Protection Office Telephone: (301) 504-5518 FAX: (301) 504-5291

Homepage: http://www.ams.usda.gov/science/pvpo/pvpindex.htm

To avoid conflict with other variety names in use, the applicant must check the appropriate recognized authority and provide evidence that name has been cleared by the appropriate recognized authority before the Certificate of Protection is issued. For example, for agricultural and vegetable crops, contact: Seed Branch, AMS, USDA, 10301 Baltimore Avenue, Suite 401 NAL Building, Beltsville, MD 20705. Telephone: (301) 504-5682 http://www.ams.usda.gov/lsg/seed.htm.

ITEM

19a. Give:

- (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method;
- (2) the details of subsequent stages of selection and multiplication;
- (3) evidence of uniformity and stability; and
- (4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- 19b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:
 - (1) identify these varieties and state all differences objectively;
 - (2) attach statistical data for characters expressed numerically and demonstrate that these are clear differences; and
 - (3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.
- 19c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.
- 19d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance. etc.
- 19e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.
- 20. If "Yes" is specified (seed of this variety be sold by variety name only, as a class of certified seed), the applicant MAY NOT reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See Regulations and Rules of Practice, Section 97.103).
- 23. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
- 24. See Section 55 of the Act for instructions on claiming the benefit of an earlier filing date.
- 22. CONTINUED FROM FRONT (Please provide a statement as to the limitation and sequence of generations that may be certified.)

N/A

23. CONTINUED FROM FRONT (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)

USA 5/31/02

TE ZA

24. CONTINUED FROM FRONT (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)

N/A

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. The fees for filing a change of address; owner's representative; ownership or assignment; or any modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the Regulations and Rules of Practice.)

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 1.4 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, sexual orientation, marital or family status, political beliefs, parental status, or protected genetic information. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call 202-720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.

DRAFT Exhibit A Form

Crossing the Heatwave I breeding lin an F2 popul selected. F Selection postable for a	te comme Red was te in 1999 lation gr 'our addi ressure w Il traits s	ercial varieties derived from 5. A large flow own. From the stional generations for earlines telected. 30 pla	Id including public and commercial varieties, lines, or clearly Purple x Heatwave Rose in 1993 resulted an F1 cross between the commercial variety Payered rose single plant selection was made from the segregating F2 population a red flowered compaions were grown which were all the result of singless, good basil breaks, compact habit and large relates were selected from the F4 population and the power noted crosses and selections were done in Lome	ed in a rose flowered breeding line. acifica Red and this rose flowered he F1, which was self-pollinated and act plant with good basil breaks was gle plants that were self-pollinated. It decreases the last generation was e seed was bulked and used as stock
2. Give the	details of	subsequent stage	es or selections and multiplications:	
Year			Details of Stage	Selection Criteria
1993	F 1	3CA138	Balcony Purple x Heatwave Rose	
1994	F2	4CA260	F1 Purple-Rose selection 3CA138-2 self	Earliness, compact habit good basil breaks
1995	F 1	5CA1003	F2 Rose selection 4CA260-2 x Pacifica Red	
1996	F2	6CA117	F1 Rose selection 5CA1003-2 self	Earliness, compact habit good basil breaks, large red flowers
1997	F3	6CA1363	F2 Red selection 6CA117-1 self	Same as above
1998	F4	7CA656	F3 Red selection 1363-3 self (30 plant bulk seed from this selection used as foundation. Stock seed for the first stock seed increase in 1999)	Same as above
and any lac grown and grown on a uniform. A	test for u k of unifo evaluated yearly ba li stock s	niformity: Stoc ormity is noted I for uniformit asis since 1999. eed increases h	k seed increases and commercial productions are i In addition, samples from stock seed increases any. Stock seed increases, test productions, and/or contained and the previous year's stock seed as planting afterm for five generations (1 generation per year for the previous year's stock seed as planting afterm for five generations (1 generation per year for the previous year's stock seed as planting after the previous year's y	nd commercial productions are ommercial productions have been otted and tested and shown to be greed. Thus, it can be stated that
3b. <u>Is the yar</u>	riety stable	e: _X_Yes	No	
during the g samples fro from the pr been grown to have det stock seed:	growing pom stock revious year on a year eriorated as plantin	period and any seed increases ear's increases orly basis since from the prev	how many generations? Stock seed increases and collack of deterioration from the previous year's increase and commercial productions are grown and evalor crops. Stock seed increases, test productions, a 1999. All increases and/or productions have been vious year's increases or crops. All stockseed increases, it can be stated that the variety has been obsertional.	reases or crops is noted. In addition, luated for quality and deterioration and/or commercial productions have inspected and tested and shown not reases have used the previous year's
4. Are gene	etic varian	ts observed or e	xpected during reproduction and multiplication?	Yesx No
If yes, state h	ow these	variants may be	identified, their type and frequency.	

* Balcony Purple is from Dai Ichi Seed Company in Japan

DRAFT Exhibit B Form

Based on overall	morphology,	Heatwave	Red	is most s	imilar to	Pacifica Red
		Applicant's new	variety		-	Most similar comparison variety(ies)
Heatwave Red	most clearly	differs from	P	acifica	Red	in the following traits:
Applicant's new variety	_				arison variety(ies)

Name the specific trait, then list the value of that trait for each variety in the comparison. Attach appropriate supporting evidence (see the Guidelines for Presenting Evidence in Support of Variety Distinctness, available from the PVP Office or website)

Eg. Leaf Pubescence Eg. Leaf Color Eg. Plant Height	heavy pubescence Dark Green (5GY 3/4) 200 cm +/- 10 cm (N=25) Heatw	Dark Green (5GY 3/4) Light Green (2.5GY 8/10)		
1. Qualitative traits: Ring Shape	Applicant's New Variety Red The ring starts in a "donut" shape then fades to look like a star.	1st Comparison Variety <u>Red</u>	Location of Evidence Photo attached	
Ríng Distinctness	More Distinct - A Ring is always visib	Less Distinct - The ring starts looking like a donut then fades away:	Photo attached	
2. Color traits: Petal Color	57A, as they age.	Rosy Red 57B. The petals start 57B shading to 57A ruetoward the center of flower. As flowers ag	Photo attached	
Orifice Color	tal margins fade to 63 Pale Yellow 11A	A they become all 57B. Cream Yellow 10B	Photo attached	
3. Quantitative traits: Flower Diameter Petal Length Petal Width Ring Width Leaf Length Leaf Width	Mean Range N= 51.1 48-55 10 24.9 23-27 10 31.4 28-34 10 5.4 4-6 10. 73 68-78 10 30.1 27-34 10	Mean Range N= 47.1 43-50 10 22.8 21-24 10 27.6 23-29 10 2.7 2-4 10 76.5 70-85 10 27.9 25-32 10	Statistics attac Statistics attac Statistics attac Statistics attac Statistics attac Statistics attac Statistics attac	
4. Other:				

Use additional tables to present clear differences for additional comparison varieties. Use additional pages to present supporting evidence.



Vinca Heatwave Red



Vinca Pacifica Red



Vinca Heatwave Red Vinca Pacifica Red

Vinca Heatwave Red \sim M7036 \sim Thotograph in response to Exhibit C \sim Part 8



Vinca Heatwave Red



Vinca Pacifica Red

Vinca Heatwave Red M7036 Supplement to Exhibit B – Statement of Distinctness Statistical Data (In Millimeters)

1. FLOWER DIAMETER

A. Heatwave Red

Mean = 51.1 Min = 48 Max = 55 Std Deviation = 2.1189 N = 10 Sum = 511

B. Pacifica Red

Mean = 47.1 Min = 43 Max = 50 Std Deviation = 1.70000 N = 10 Sum = 411

C. LSD (P = 0.01) indicates statistically significant differences at 99% confidence level.

2. PETAL LENGTH

A. Heatwave Red

Mean = 24.9 Min = 23 Max = 27 Std Deviation = 1.2999 N = 10 Sum = 249

B. Pacifica Red

Mean = 22.8 Min = 21 Max = 24 Std Deviation = 0.9797 N = 10 Sum = 228

C. LSD (P = 0.01) indicates statistically significant differences at 99% confidence level.

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Vinca Heatwave Red M7036 Supplement to Exhibit B – Statement of Distinctness Statistical Data (In Millimeters) Page 2

3. PETAL WIDTH

A. Heatwave Red

Mean = 31.4 Min = 28 Max = 34 Std Deviation = 1.7999 N = 10 Sum = 314

B. Pacifica Red

Mean = 27.6 Min = 23 Max = 29 Std Deviation = 1.7435 N = 10 Sum = 276

- C. LSD (P = 0.01) indicates statistically significant differences at 99% confidence level.
- 4. RING WIDTH (from outside edge of eye/orifice to edge of color band)

A. Heatwave Red

Mean = 5.4 Min = 4.0 Max = 6.0 Std Deviation = .66332 N = 10 Sum = 54

B. Pacifica Red

Mean = 2.7 Min = 2.0 Max = 4.0 Std Deviation = .59371 N = 10 Sum = 27

C. LSD (P = 0.01) indicates statistically significant differences at 99% confidence level.

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Vinca Heatwave Red M7036 Supplement to Exhibit B – Statement of Distinctness Statistical Data (In Millimeters) Page 3

5. LEAF LENGTH

A. Heatwave Red

Mean = 73 Min = 68 Max = 78 Std Deviation = 2.7202 N = 10 Sum = 730

B. Pacifica Red

Mean = 76.5 Min = 70 Max = 85 Std Deviation = 3.9812 N = 10 Sum = 765

C. LSD (P = 0.05) indicates statistically significant differences at 95% confidence level.

6. LEAF WIDTH

A. Heatwave Red

Mean = 30.1 Min = 27 Max = 34 Std Deviation = 2.4269 N = 10 Sum = 301

B. Pacifica Red

Mean = 27.9 Min = 25 Max = 32 Std Deviation = 2.0712 N = 10 Sum = 279

C. LSD (P = 0.05) indicates statistically significant differences at 95% confidence level.

YEAR # 1 -							
FLOWER DIAMETE	R (MM)						
TAKEN FROM 20 R		TED PLANTS					
TARLIT TROW 20 TO	ANDOMET OFFICE	PARTIE	-				
VARIETY	M7036 Red	Pacifica Red					
MEAN	58.28			 -			
MIN	52.5						
MAX	62.0	59.0					
STD-S	2.89	2.45					
Analysis of Variance	: One Way						
Summary							
Groups	Count	Sum	Average	Variance			-
Column 1	20	1165.50		8.38			
Column 2	20	1064.00	53.20	6.01			
Analysis of Variance							
Source of Variation	1 .						
	SS	df	MS	F	P-value	F-crit	
Between Groups	257.56	1	257.56	35.79	0.0000006		4.10
Within Groups	273.44	38	7.20				
Total	530.99	39					
LSD P=0.05	1.78						

M7036 Red Pacifica Red 58.28 53.20 b

LSD (P=0.05) indicates that there was a significant difference for the flower diameter trait between M7036 Red and Pacifica Red.

		i	1			
R (MM)						
ANDOMLY SELEC	TED PLANTS					·
M7036 Red	Pacifica Red					
60.70	54.05					
55.0	51.5					
65.0	60.0					
2.57	2.18					
	- ·					
: One Way						
Count	Sum	Average	Variance			
			6.62			
1						
,						
1						
ce	df.	1/10	E	P-value	F-crit	
·						4.10
				5,700 11		
210.00	30	3.00				
657.88	39					
307.00						
1.58						
	M7036 Red 60.70 55.0 65.0 2.57 Count 20 20 \$\$ \$\$ 442.22 215.65 657.88	ANDOMLY SELECTED PLANTS M7036 Red Pacifica Red 60.70 54.05 55.0 51.5 65.0 60.0 2.57 2.18 Count Sum 20 1214.00 20 1081.00 SS df 442.22 1 215.65 38 657.88 39	M7036 Red Pacifica Red 60.70 54.05 55.0 51.5 65.0 60.0 2.57 2.18 Count Sum Average 20 1214.00 60.70 20 1081.00 54.05 SS df MS 442.22 1 442.22 215.65 38 5.68	ANDOMLY SELECTED PLANTS M7036 Red Pacifica Red 60.70 54.05 55.0 51.5 65.0 60.0 2.57 2.18 Count Sum Average Variance 20 1214.00 60.70 6.62 20 1081.00 54.05 4.73 SS df MS F 442.22 1 442.22 77.93 215.65 38 5.68	ANDOMLY SELECTED PLANTS M7036 Red Pacifica Red 60.70 54.05 55.0 65.0 60.0 2.57 2.18 Count Sum Average Variance 20 1214.00 60.70 6.62 20 1081.00 54.05 4.73 SS df MS F P-value 442.22 1 442.22 77.93 9.70e-11 215.65 38 5.68	ANDOMLY SELECTED PLANTS M7036 Red Pacifica Red 60.70 54.05 55.0 51.5 65.0 60.0 2.57 2.18 Count Sum Average Variance 20 1214.00 60.70 6.62 20 1081.00 54.05 4.73 SS df MS F P-value F-crit 442.22 1 442.22 77.93 9.70e-11 215.65 38 5.68

M7036 Red	Pacifica Red
60.70	54.05
a	ь

LSD (P=0.05) indicates that there was a significant difference for the flower diameter trait between M7036 Red and Pacifica Red.

		Į.	1		1	1	
YEAR # 3 -							
FLOWER DIAMETE	R (MM)						
	ANDOMLY SELECT	ED DI ANTS					
17 ((11) 11) 20 10	AND OWIET CELECTI	LOTEANTO					
VARIETY	M7036 Red	Pacifica Red					
MEAN	59.10	54.75					
MIN	54.5		1				
MAX	63.0	60.0					
STD-S	2.29	2.21					
Analysis of Variance	: One Way						
Summary							
Groups	Count	Sum	Average	Variance			
Column 1	20	1182.00		5.25			
Column 2	20	1095.00	54.75	4.88			
Analysis of Variance							
Source of Variation							
	SS	df	MS	F	P-value	F-crit	
Between Groups	189.22	1	189.22	37.34	4.01e-07		4.10
Within Groups	192.55	38	5.07				
Total	381.77	39	<u></u>				
LSD P=0.05	1.49						

M7036 Red Pacifica Red 59.10 54.75 b

LSD (P=0.05) indicates that there was a significant difference for the flower diameter trait between M7036 Red and Pacifica Red.

					,		
YEAR # 1 -							
PETAL LENGTH (MM)							
TAKEN FROM 20 RAN	DOMLY SELEC	TED PLANTS					
VARIETY	M7036 Red	Pacifica Red					
MEAN	29.45	26.78					
MIN	29.43					-	
MAX	32.0		4				
STD-S	1.35						
Analysis of Variance: O	ne Way						
Summary							
Groups	Count	Sum	Average	Variance			
Column 1	20	589.00	29.45	1.81			
Column 2	20	535.50	26.78	1.80			
Analysis of Variance							
Source of Variation							
	SS	df	MS	F	P-value	F-crit	
Between Groups	71.56	 1	71.56		0.0000002		4.10
Within Groups	68.69	38	1.81				
Total	140.24	39					
LSD P=0.05	0.89						

M7036 Red Pacifica Red 29.45 26.78 b

LSD (P=0.05) indicates that there was a significant difference for the petal length trait between M7036 Red and Pacifica Red.

	1	1			·		
YEAR # 2 -							
PETAL LENGTH (MM)							
TAKEN FROM 20 RAN	DOMLY SELEC	TED PLANTS					
TAKEN TROW 20 TON	DOWET OLLEO	LEDIEANIO					
VARIETY	M7036 Red	Pacifica Red					
MEAN	30.02	26.10					
MIN	26.0	24.0					
MAX	34.0						****
STD-S	1.72	1.28					
Analysis of Variance: O	ne Way						
Summary							
Groups	Count	Sum	Average	Variance			
Column 1	20	600.50		2.96			
Column 2	20	522.00	26.10	1.65			•
Analysis of Variance							
Source of Variation							
	SS	df	MS	F	P-value	F-crit	
Between Groups	154.06	1	154.06	66.88	6.668e-10		4.10
Within Groups	87.54	38	2.30				
Total	241.59	39					
LSD P=0.05	1.00						

M7036 Red	Pacifica Red
30.02	26.10
a	b

LSD (P=0.05) indicates that there was a significant difference for the petal length trait between M7036 Red and Pacifica Red.

VEADUO							
YEAR # 3 -			<u> </u>				
PETAL LENGTH (MM)							
TAKEN FROM 20 RAN	DOMLY SELEC	TED PLANTS					
VARIETY	M7036 Red	Pacifica Red					
MEAN	29.18	26.35	:				
MIN	26.0	24.0					
MAX	32.5	29.0					
STD-S	1.81	1.37					<u>.</u>
Analysis of Variance: O	ne Way						
Summary							
Groups	Count	Sum	Average	Variance			
Column 1	20	583.50		3.27			
Column 2	20	527.00	26.35	1.87			
Analysis of Variance							
Source of Variation							
	SS	df	MS	F	P-value	F-crit	
Between Groups	79.81	1	79.81	31.04	0.0000022		4.10
Within Groups	97.69	38					
Total	177.49	39					
LSD P=0.05	1.06						

M7036 Red Pacifica Red 29.18 26.35 a b

LSD (P=0.05) indicates that there was a significant difference for the petal length trait between M7036 Red and Pacifica Red.

Γ				1			
YEAR # 1 -							
RING WIDTH (MM)							
TAKEN FROM 20 RA	NDOMLY SELEC	CTED PLANTS					
TARLETT TOW 20 TO	THE TOPPER OF TH	JIEDI LANIO					
VARIETY	M7036 Red	Pacifica Red					
RAIT A A I	0.50	7.05					
MEAN MIN	9.52	 	 				
MAX	11.5						
STD-S	1.34						
Analysis of Variance:	One Way						
Summary							
Groups	Count	Sum	Average	Variance			
Column 1	20	190.50		1.80			
Column 2	20	153.00	7.65	1.77			
Analysis of Variance							
Source of Variation		!					
	SS	df	MS	F	P-value	F-crit	
Between Groups	35.16	1	35.16	19.71	0.0000752		4.10
Within Groups	67.79	38	1.78				
Total	102.94	39					
LSD P=0.05	0.88						

M7036 Red	Pacifica Red
9.52	 7.65
a	b

LSD (P=0.05) indicates that there was a significant difference for the ring width trait between M7036 Red and Pacifica Red.

YEAR # 2 -							
RING WIDTH (MM)							
TAKEN FROM 20 RA	ANDOMLY SELEC	TED PLANTS					
VARIETY	M7036 Red	Pacifica Red					
MEAN	9.62						
MIN	7.5						
MAX	12.0		1				
STD-S	1.27	0.47					
Analysis of Variance:	One Way						
Summary							
Groups	Count	Sum	Average	Variance			
Column 1	20	192.50		1.60			
Column 2	20	150.50	7.52	0.22			
Analysis of Variance							
Source of Variation							
	SS	df	MS	F	P-value	F-crit	
Between Groups	44.10	1	44.10	48.33	2.857e-08		4.10
Within Groups	34.67	38	0.91	-			
Total	78.78	39					
LSD P=0.05	0.63						

M7036 Red Pacifica Red 9.62 7.52 b

LSD (P=0.05) indicates that there was a significant difference for the ring width trait between M7036 Red and Pacifica Red.

YEAR # 3 -							
RING WIDTH (MM)							
TAKEN FROM 20 R	ANDOMLY SELECT	ED PLANTS					
VARIETY	M7036 Red	Pacifica Red					
MEAN	9.30	7.62	<u> </u>				
MIN	7.5	· · · · · · · · · · · · · · · · · · ·	·				
MAX	11.0						
STD-S	1.19	0.69					
Analysis of Variance	One Way						
Summary							
Groups	Count	Sum	Average	Variance			
Column 1	20	186.00		1.41			
Column 2	20	152.50	7.62	0.47			
Analysis of Variance							
Source of Variation		!					
	SS	df	MS	F	P-value	F-crit	
Between Groups	28.06	1	28.06	29.92	0.000003		4.10
Within Groups	35.64	38	0.94	-			
Total	63.69	39					
LSD P=0.05	0.64						

M7036 Red Pacifica Red 9.30 7.62 b

LSD (P=0.05) indicates that there was a significant difference for the ring width trait between M7036 Red and Pacifica Red.

		1	1		1		
YEAR # 1 -							
LEAF LENGTH (MM)							
TAKEN FROM 20 RA		ECTED DI ANTS					
TAKEN FROM 20 KA	INDOMET SELE	CIED FLANTS					
) (A DIET) (M7000 D - 1	Designs Design					
VARIETY	M7036 Red	Pacifica Red					
MEAN	83.48	87.42					
MIN	75.0						
MAX	91.0	98.0					
STD-S	4.82	5.11					
Analysis of Variance:	One Way		·				
Summary							
Groups	Count	Sum	Average	Variance			
Column 1	20	1669.50	83.48	23.25			
Column 2	20	1748.50	87.42	26.09			
Analysis of Variance							
Source of Variation							
	SS	df	MS	F	P-value	F-crit	
Between Groups	156.02	1	156.02	6.33	0.02		4.10
Within Groups	937.38	38	24.67				
Total	1093.40	39					
LSD P=0.05	3.29						

M7036 Red Pacifica Red 83.48 87.42 b

LSD (P=0.05) indicates that there was a significant difference for the leaf length trait between M7036 Red and Pacifica Red.

	7	T	T			1	
YEAR # 2 -							
LEAF LENGTH (MM)	:						
TAKEN FROM 20 RA	NDOMLY SELE	CTED PLANTS					
VARIETY	M7036 Red	Pacifica Red					
MEAN	84.88	90.75					
MIN	74.0	83.0					
MAX	94.0	99.0					
STD-S	5.32	4.45					.=
Analysis of Variance:	One Way						
Summary							
Groups	Count	Sum	Average	Variance			
Column 1	20	1697.50	84.88	28.29			
Column 2	20	1815.00	90.75	19.78			
Analysis of Variance							
Source of Variation							
	SS	df	MS	F	P-value	F-crit	
Between Groups	345.16	1	345.16	14.36	0.000524		4.10
Within Groups	913.19	38	24.03				
Total	1258.34	39					
LSD P=0.05	3.24						

M7036 Red Pacifica Red 84.88 90.75 a b

LSD (P=0.05) indicates that there was a significant difference for the leaf length trait between M7036 Red and Pacifica Red.

		T	T	1		1	
YEAR # 3 -							
LEAF LENGTH (N	4M)						
	RANDOMLY SEL	ECTED					
DI ANTO							
VARIETY	M7036 Red	Pacifica Red					
MEAN	88.15	94.98	,				
MIN	81.0		+				
MAX	97.0		-				
STD-S	4.12						
Analysis of Varian	ce: One Way						
Summary							
Groups	Count	Sum	Average	Variance			
Column 1	20	1763.00	88.15	17.00			
Column 2	20	1899.50	94.98	28.85			
Analysis of Varian	De					i	
Source of Variation	<u> </u> 						
	SS	df	MS	F	P-value	F-crit	-
Between Groups	465.81	1	465.81	20.32	0.0000611		4.10
Within Groups	871.29	38	22.93				
Total	1337.09	39					
LSD P=0.05	3.17						

M7036 Red Pacifica Red 88.15 94.98 b

LSD (P=0.05) indicates that there was a significant difference for the leaf length trait between M7036 Red and Pacifica Red.

FORM DEVELOPED (4-92)

EXHIBIT C (Vinca)

United States Department of Agriculture, Agricultural Marketing Service Science and Technology Division, Plant Variety Protection Office National Agricultural Library Building, Room 500 Beltsville MD 20705

OBJECTIVE DESCRIPTION OF VARIETY VINCA (Catharanthus spp.)

Name of Applicant(s) Temporary Designation	Variety Name		
OHN BODGER & SONS CO M7036	HEATWAVE RED		
Address (Street & No., or R.F.D. No., City, State, Zip Code and Country)	FOR OFFICIAL USE ONLY		
1800 TYLER AVENUE SOUTH EL MONTE, CA 91733 USA	200300216		

Place the appropriate number that describes the varietal characters typical of this variety in the spaces below. Right justify whole numbers by adding leading zeros if necessary. The variety that you choose for comparison should be the most similar one in terms of background and maturity. The comparison variety used should be grown in field trials with the application variety for 2-3 location/years (environments) in the region and season of best adaptability. At least one year of trials should be conducted within the United States of America. In general, measurements of quantitative traits should be taken on 15-25 randomly selected plants or plant parts to obtain averages and statistics that describe a typical field of the variety. Designate test location(s):

1. OVERALL PLANT HABIT (at flowering stage):				
Data Collection Site LOMPOC, CALIFORNIA	Comparison Variety Name PACIFICA RED			
1 Species: I=roseus 2=Other	_1 Species			
2 Ploidy: l=Haploid 2=Diploid 3=Triploid 4=Tetraploid	2 Ploidy			
1 Life Cycle: l=Annual 2=Biennial 3=Perennial	1 Life Cycle			
1 Growth Habit : l=Determinate 2=Semi-determinate 3=Indeterminate	1 Growth Habit			
2 Growth Form: I=Upright 2=Semi-prostrate 3=Prostrate	2 Growth Form			
5 Flowering: l=Very Early 2=Early 3=Mid Season 4=Late 5=Continuous	5 Flowering season			
0 6 0 Days from Planting to First Flowering	0 6 1 Days to First Flowering			
1 8 0 Length of Flowering Season in Days	1 8 0 Days - Flowering Season Length			
0 3 4 0 cm Plant Height at Maturity	0 3 5 1 cm Plant Height			
0 5 6 1 cm Plant Width at Maturity	0 5 7 0 cm Plant Width			
3 Plant Height Class: 1=Extra Dwarf 2=Dwarf 3=Semi-dwarf 4=Tall	3 Plant Height Class			
2 Plant Width Class: 1=Compact 2=Semi-compact 3=Spreading/Lax	2 Plant Width Class			
2. STEM:				
1 Profile: 1=Straight 2=Zig-Zag	1 Profile			
3 Branching Pattern: 1=Single Stem 2=Few Branches 3=Many Branches	3 Branching Pattern			
0 3 2 cm Stem Length from base of stem to terminal flower	0 3 2 cm Stem Length (total)			
0 0 Number of Internodes below First Branch	0 0 Number of Internodes below First Branch			
0 2 Number of First Order Branches (from main stem)	0 2 No. of First Order Branches (from main stem)			
1 Stem Anthocyanin: 1=Absent 2=Along Veins only 3=Solid Coloration	1 Stern Anthocyanin			
Application Variety Data	Comparison Variety Data			

	"
Application Variety Data Page 2	Comparison Variety Data
3. FOLIAGE:	
Leaf Type: 1=Simple 2=Compound	_1 Leaf Type
Leaf Margin: 1=Entire 2=Serrate 3=Other	Leaf Margin
1 Leaf Odor: 1=None 2=Mild 3=Strong	1 Leaf Odor
2 Petiole Anthocyanin: l=Absent 2=Mild 3=Strong	_2 Petiole Anthocyanin
2 Leaf Shape: l=Lanceolate 2=Elliptic 3=Obovate 4=Ovate	2 Leaf Shape
0 3 0 1 mm Leaf Width	0 2 7 9 mm Leaf Width
0 7 3e 0 mm Leaf Length	0 7 6 5 mm Leaf Length
LEAF DORSAL SIDE:	LEAF DORSAL SIDE
2 Leaf Color: 1=Light Green 2=Medium Green 3=Dark Green 4=Other (describe)	_2 Leaf Color
Color Chart Name RHS Color Chart Reading 137B	Color Chart Reading 137C
2 Pubescence: l=Absent 2=Light 3=Heavy	_2 Pubscence
2 Luster: 1=Dull 2=Shiny	_2_Luster
LEAF VENTRAL SIDE:	LEAF VENTRAL SIDE
1 Leaf Color: 1=Light Green 2=Medium Green 3=Dark Green 4=Other (describe)	1 Leaf Color
Color Chart Name RHS Color Chart Reading 138A	Color Chart Reading 146B
_2 Pubescence: l=Absent 2=Light 3=Heavy	_2 Pubscence
1 Luster: 1=Dull 2=Shiny	1 Luster
4. FLOWER:	
1 Type: 1=Single 2=Semi-Double 3=Double	<u>1</u> Type
Form: 1=Flat 2=Cupped 3=Other	_1_ Form
1 Shape: l=Round (petals overlap) 2=Intermediate 3=Star (petals gapped)	1 Shape
1 Flower Odor: 1=None 2=Mild 3=Strong	1 Flower Odor
1 Pedicel Anthocyanin: 1=Absent 2=Faint 3=Strong	1 Pedicel Anthocyanin
5 5 Number Flowers per Plant	6 0 Number Flowers per Plant
0 5 1 . 1 mm Flower Diameter	_0_4_7_e1_ mm Flower Diameter
Ω 2 • Ω mm Orifice Size (including the opening of the corolla tube)	<u>Ω 2 ¢ 0</u> mm Orifice Size
0 5 4 mm Ring Width (from outside orifice to edge of color band)	0 2 • 7 mm Ring Width
0 3 1 4 mm Petal Width (at widest point)	0 2 7 6 mm Petal Width
0 2 4 9 mm Petal Length (from ring to outer edge)	0 2 2 68 mm Petal Length
Application Variety Data	Comparison Variety Data

200300216

Application Variety Data Page 3				Comparison Variety Data				
5. FLOWER COL	ORS: (Note: Commo	л Color Charts: RHS=	Royal Horticultural S	ociety Colour C	hart, Munsell=	Munsell Book	of Color)	
	Color Verbal Name	Color Chart Code	Color Chart Name		Color Name	Chart Code	Chart Name	
EXAMPLE	Light Blue	106C	RHS					
Petal Color	Rosy Red	57A (1)	RHS	Petal Color	Rosy Red	57B(2)	RHS	
Ring Color	Bright Red	53A	RHS	Ring Color	Bright Red	53A	RHS	
Orifice Color Inside	Pale Yellow	11A	RHS	Inside Orifice Color	Cream Yellow	10В	RHS	
Other Color (describe location or placement)	57A, lighten:	ert one shade ing to true 57 pargins fade t	A as they	Other	shading center of	tals state 57A to the flow	ward the	
6. SEEDS (Measure	e mature (dry) seeds)				57В.			
_4 seed Set : 1=No	one 2=Poor 3=Fai	r 4=Good 5=Exce	ellent	4 Seed Set				
4 Seed Coat Color	: l=White 2=Tan	3=Brown 4=Black	5=Other	4 Seed Co	at Color		İ	
1760 mg We	eight per 1000 Seeds			_1690 ·	mg Seed Weig	tht:		
	strain, if known. (Rate from 1 (most susceptible) to 9 (most resistant)): Rating Disease/Insect Name (give race or strain, if known) Not tested				ease/Insect Nar Not t	ne ested		
Application Variety D	Pata			Comparison Variety Data				
variety. This photog	raph should show flo	application variety a wer heads of each var pport of this applicatio	riety at a magnificatie	on sufficient to	identify most	ating the ident of the verbal	ity of each descriptors	

REPRODUCE LOCALLY. Include form number and edition date on al	l reproductions.	ORM APPROVED - OMB No. 0581-0055			
U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE EXHIBIT E STATEMENT OF THE BASIS OF OWNERSHIP	Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). The information is held confidential until the certificate is issued (7 U.S.C. 2426).				
1. NAME OF APPLICANT(S) JOHN BODGER & SONS COMPANY	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER	3. VARIETY NAME			
COM POPOLA & BONO COMMINI	м7036	HEATWAVE RED			
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP, and Country)	5. TELEPHONE (Include area code)	6. FAX (Include area code)			
1800 TYLER XVENUE SOUTH EL MONTE, CA 91733 USA	626-442-6161 7. PVPO NUMBER	626-442-4100			
	200300216				
8. Does the applicant own all rights to the variety? Mark an "X" in the		KXI L			
9. Is the applicant (individual or company) a U.S. national or a U.S. b					
10. Is the applicant the original owner?	NO If no, please answer one	of the following:			
a. If the original rights to variety were owned by individual(s), is (YES b. If the original rights to variety were owned by a company(ies) YES YES	NO If no, give name of count	ry sed company?			
	ER WHILE HE WAS AN EMPLING COMPANY RESOURCES. THE BREEDER RETAINS OWN JOHN BODGER & SONS COMP 2860 WHICH STATES: "EVE LOYMENT, EXCEPT THE COMFO THE EMPLOYER, WHETHE	OYEE OF JOHN BODGER ALL BREEDING WORK ERSHIP OR ANY OTHER ANY'S OWNERSHIP OF RYTHING WHICH AN PENSATION WHICH IS R ACQUIRED LAWFULLY			
Plant variety protection can only be afforded to the owners (not licens	sees) who meet the following criteria:				
If the rights to the variety are owned by the original breeder, that protection of a country which affords similar protection to nationals or the country which affords similar protection to nationals or the country which affords similar protection to nationals or the country which affords are considered.					
2. If the rights to the variety are owned by the company which employ nationals of a UPOV member country, or owned by nationals of a genus and species.	yed the original breeder(s), the company country which affords similar protection t	must be U.S. based, owned by to nationals of the U.S. for the same			
3. If the applicant is an owner who is not the original owner, both the	original owner and the applicant must m	eet one of the above criteria.			
The original breeder/owner may be the individual or company who dis	rected the final breeding. See Section 4	1(a)(2) of the Plant Variety Protection			

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To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, D.C. 20250-9410 or cell (202) 720-5964 (voice and TDD). USDA is an equal opportunity provide and employer.

Act for definitions.

Addendum to Exhibit E
Statement of Basis of Applicant's Ownership
Vinca Heatwave Red

The breeder of this variety is: Michael Heffner

The owner of the variety is: John Bodger and Sons Company

The breeders of this variety are citizens of the United States.

All breeding work on this variety was done while the breeder was an employee of John Bodger and Sons Company, on company property using company resources. All breeding work was done in the State of California.

The breeder retains no ownership or any other rights to the variety. The basis for John Bodger and Sons Company's ownership of this variety is California Labor Code §2860 which states: "Everything which an employee acquires by virtue of his employment, except the compensation which is due to him from his employer, belongs to the employer, whether acquired lawfully or unlawfully, or during or after the expiration of the term of his employment."